

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Eugene A. Pruss et al.

Title: BORON NITRIDE AGGLOMERATED POWDER

Filed: 08/21/2003 Application No.: 10/645,305

Examiner: Langel, Wavne A. Group Art Unit: 1754

Atty. Docket No.: 1035-BN4126

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Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Dear Sir

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

> Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449 Other: n/a

to the Examiner's attention in the above-identified application. Citation of such information shall not be construed as:

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- 3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

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STATEMENT UNDER 37 C.F.R. § 1.704(d)

If the above-identified application is an original application filed on or after May $29,\,2000$:

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	each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.
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This I	nformation Disclosure Statement is being filed:
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Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account 50-3797.

Respectfully submitted,

Jeffrey & About Reg. No. 36,079 Attorney for Applicant(s)

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of 8

Complete if Known Application Number 10/645,305 Filing Date August 21, 2003 First Named Inventor Eugene A. Pruss Art Unit 1754 Examiner Name Wayne A. Langel Attorney Docket Number 1035-BN4126

Sheet 1 **U. S. PATENT DOCUMENTS** Name of Patentee or Pages, Columns, Lines, Where Examiner Document Number Publication Date MM-DD-YYYY Initiale Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code² (Finoun) Figures Appear US- 6.300,607 B1 ΑI 10/09/2001 Steinhauser et al. Hoenig BI US- 5.116.589 05/26/1992 US-6,251,513 B1 06/26/2001 C1 Rector et al. US-6,124,579 09/26/2000 DI Steinhauser et al. EI US- 5,984,055 11/16/1999 Strasser et al. FI US- 5,962,122 10/05/1999 Walpita et al. 08/31/1999 GI US- 5.945.217 Hanrahan US- 5,898,217 04/27/1999 Johnston н US- 5,726,502 11 03/10/1998 Beddingfield US- 6.585,039 B2 JI 07/01/2003 Sagal et al. US- 2002/0000651 A1 K1 01/03/2002 Takizawa et al. US- 5,614,319 A 03/25/1997 Wessels, et al. 1.1 MI US- 5.688.457 A 11/18/1997 Buckmaster et al. US- 5,688,449 11/18/1997 NI Fox et al. US- 5.770.819 06/23/1998 Mehan 01 US- 2001/0048179 12/06/2001 Stewart et al. PI US- 2,991,508 Reuben et al. Q1 07/11/1961 US- 3,125,547 RI 03/17/1964 Blatz et al. US- 5,610,203 03/11/1997 Buckmaster et al.

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IIIIUais		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY			T [©]	
	Tl	WO 01/83371 A2	11/08/2001	Saint-Gobain Ceramics & Plastics, Inc.			
	UI	EP 0 939066 A1	09/01/1999	Advanced Ceramics Corporation			
	V1	WO 97/37828	10/16/1997	DuPont			
	WI	JP 2003-518185	06/03/2003				
	X1	JP 2003-508259	07/04/2000				
	YI	WO 01/46313 A1	06/28/2001	E.I. Du Pont De, et al.			

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			U. S. PATEN	T DOCUMENTS	
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	-	Number-Kind Code ^{2 (F known)}			1 iguites Appeal
	A2	US- 5,783,308	07/21/1998	Leendersen	
	B2	US- 5,945,478	08/31/1999	Buckmaster et al.	
	C2	US- 5,898,009	04/27/1999	Shaffer et al.	
	D2	US- 6,048,511	04/11/2000	Shaffer et al.	
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	T2	JP 61268763 A	11/28/1986	Shiseido Co. Ltd.	Abstract Only		
	U2	JP 1038424 A	02/08/1989	Matsushita Electric Works Ltd.	Abstract Only		
	V2	JP 89054379 B	11/17/1989	Shiseido Co. Ltd.	Abstract Only		
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	X2	JP 2590964 B2	03/19/1997	Minolta KK	Abstract Only		
	Y2	JP 1126661 A	05/18/1989	Minolta KK	Abstract Only		

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Complete if Known					
Application Number	10/645,305				
Filing Date	August 21, 2003				
First Named Inventor	Eugene A Pruss				
Art Unit	1754				
Examiner Name	Wayne A. Langel				
Attorney Docket Number	1025 DM4126				

	U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Number-Kind Code ² (Firmown)			Figures Appear	
	A3	US- 5,234,712	08/10/1993	Howard		
	B3	US- 5,283,542	02/01/1994	Ochiai et al.		
	C3	US- 5,285,108	02/08/1994	Hastings et al.		
	D3	US- 5,298,791	03/29/1994	Liberty et al.		
	E3	US- 5,374,036	12/20/1994	Rogers et al.		
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	T3	JP 11116213 A	04/27/1999	Toshiba Ceramics Co.	Abstract Only		
	U3	JP 11209618 A	08/03/1999	Matsushita Electric Works Ltd.	Abstract Only		
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	W3	EP 0 479 387 A1	04/08/1992	Herstein, Morris			
	X3	EP 0 896 031 A2	02/10/1999	Shin-Etsu Chem. Col, Ltd			
	Y3	JP 11005907 A2	10/12/1999	Mitsui Chemicals Inc.	Abstract Only		

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Signature	Considered	

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	A4	US- 6,284,817	09/04/2001	Cross et al.	
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		Country Code ³ "Number * "Kind Code ⁵ (If known)	MM-DD-YYYY		Or Relevant Figures Appear	Te.
	T4	JP 10204300 A	08/04/1998	Mitsui Petrochem Ind. Co. Ltd.	Abstract Only	
	U4	JP 09151324 A	06/10/1997	Fuji Kobunshi Kogyo KK	Abstract Only	
	V4	JP 04321506 A2	11/11/1992	Matsushita Electric Works, Ltd.	Abstract Only	
	W4	JP 2981002 B2	11/22/1999	Matsushita Electric Works, Ltd.	Abstract Only	
	X4	EP 0 982 391 A1	03/01/2000	Shin-Etsu Chem. Co. Ltd.		
	Y4	JP 07157369 A2	06/20/1995	Hitachi Ltd.	Abstract Only	

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IIII GIG		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Once Document	Or Relevant Figures Appear	₽°		
	T5	EP 0 279 769 A2	08/24/1988	Rogers Corporation				
	U5	EP 432007 A	06/12/1991	Rhodia SA	Abstract Only			
	V5	AU 9067727 A	06/13/1991	Rhodia SA	Abstract Only			
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	Y5	FI 9006048 A	06/09/1991	Rhodia SA	Abstract Only			

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	A6	US-	1		
	B6	US-			
	C6	US-			
	D6	US-			
	E6	US-			
	F6	US-			
	G6	US-			
	Н6	US-			
	16	US-			
	J6	US-			
	K6	US-			
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		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	.,,	Or Ralevant Figures Appear	T ⁶
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	U6	PT 96113 A	09/30/1991	Rhodia SA	Abstract Only	
	V6	BR 9006359 A	09/24/1991	Rhodia SA	Abstract Only	
	W6	JP 5078106 A	03/30/1993	Rhodia SA	Abstract Only	
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				Application Number	10/645,605
INFO	RMATION	DIS	CLOSURE	Filing Date	August 21, 2003
STA	TEMENT B	BY A	PPLICANT	First Named Inventor	Eugene A. Pruss
(Use as many sheets as necessary)				Art Unit	1754
	(Ose as many sne	ous as in	rcessory)	Examiner Name	Wayne A. Langel
Sheet	7	of	8	Attorney Docket Number	1035-BN4126

		NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1							
	A7	N. Dean et al., "Novel Thermal Interface Material with Aligned Conductive Fibers", Johnson Matthey Electronics, Spokane, WA, 6 pgs.						
	В7	Rudin, A., et al "Fluorocarbon Elastomer Aids Polyolefin Extrusion:, PLASTICS ENGINEERING, SOCIETY OF PLASTICS ENGINEERS, INC., Greenwich, Conn., US, pp. 63-66, 1986.						
	C7	Rosenbaum, E., et al., "Boron Nitride as a Porcessing Aid for the Extrusion of Polyolefins and Fluoropolymers", RAPRA ABSTRACTS, PERGAMON PRESS, LTD. Oxford, GB, pg. 168, 2000						
	D7	YIP, et al., "The Effect of the Boron Nitride on Melt Fracture in Blow Moulding Extrusion"						
	E7	Hagio et al., "Sintering o fihe Mechanochemically Activated Powders of Hexagonal Boron Nitride", J. Am Cer. Soc., Vol. 72, pgs 1482-1484, 1989.						
	F7	YIP et al., "The Effect of the Boron Nitride Type and Concentration ofn the Rheology and Processability of Molten Polymers:, ANTEC 1999, Tech. Papers, 45, New York, 1999.						
	G7	Rosenbaum, E. et al., "A New Processing Additive Eliminating Surface and Gross Melt Fracture in the Extrusion of Polyolefins and Fluoropolymers", ANTEC 1998.						
	Н7	Seth, et al., "The Effect of Surface Energy of Boron Nitride Powders on Gross Melt Fracture Elimination", ANTEC 2001.						
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	J 7	Quotation (June 5, 1998) and Reguest for Quotation Form (May 15, 1998)						

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Substitut	e tor torm 1449/PTC			Application Number	10/645,605				
INFO	RMATIO	N DIS	CLOSURE	Filing Date	August 21, 2003				
STA	TEMENT	BY A	PPLICANT	First Named Inventor	Eugene A. Pruss				
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	(Ose as many s	10013 03 110	ressary)	Examiner Name	Wayne A. Langel				
Sheet	8	of	8	Attorney Docket Number	1035-BN4126				

		NON PATENT LITERATURE DOCUMENTS	т						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.							
	A8	Quotation (December 2, 1999) and Request for Quotation Form for Item 1, Item 2, and Item 3 (November 30, 1999).							
	В8	Phone Call Report (October 20, 1998), Shipment Inforamtion for XP 1115 and Experimental Product Analysis (october 23, 1998).							
	C8	Quotation (May 19, 1999) and Experimental Product Analysis for XP 11047 (May 18, 1999).							
	D8	Carborundum Boron Nitride Data Sheet, "Cosmetic Grade Boron Nitride Powders" (6/98).							
	E8	"Silicones & Silicon-Containing Polymers," Petrarch Systems Silanes and Silicones: Silicon Compounds Register & Review (1987)							
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